(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

|                | Pct.<br>  of<br> map<br> unit                   | manure and food-   processing waste   |                                       | Application<br>  of sewage sludg<br>                    | e                                     | Disposal of wastewater by irrigation   | n  |
|----------------|---|---|---------------------------------------|---|---------------------------------------|--|--|
|                | <br> <br> <br>                                  |   |                                       | Rating class and<br>  limiting features<br>             |                                       | •  |  |
| 13B:<br>Vesser | <br>  55<br> <br> <br> <br>                     | · =   | <br> <br> 1.00<br> <br> <br>          | <br> Very limited<br>  Depth to<br>  saturated zone<br> |                                       | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Too steep for<br>  surface<br>  application | <br> <br> 1.00<br> <br> 0.08                             |
| Colo           | <br>  30<br> <br> <br> <br> <br> <br>           | · =   | <br> 1.00<br> <br> 0.70<br> <br> 0.60 | saturated zone<br>  Flooding                            | <br> 1.00<br> <br> 1.00<br> <br> <br> | saturated zone   | <br> 1.00<br> <br> 0.60<br> <br> 0.08                    |
| 23C: Arispe    | <br>  95<br> <br> <br> <br> <br> <br> <br>      | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br> | 1.00<br>                              | permeability  | 11.00                                 |  | <br> 1.00<br> 0.91<br> <br> 0.43<br> <br> 0.02           |
| 23C2: Arispe   | <br>  95<br> <br> <br> <br> <br> <br> <br> <br> | Restricted<br>  permeability  | 1.00<br>                              | permeability  | 1.00<br>                              |  | <br> 1.00<br> <br> 0.91<br> <br> <br> 0.43<br> <br> 0.02 |
| 41B:<br>Sparta | <br>  95<br>                                    | <br> Very limited<br>  Filtering<br>  capacity  | 1 1.00                                | <br> Very limited<br>  Filtering<br>  capacity          | <br> <br> 1.00                        | <br> Very limited<br>  Filtering<br>  capacity   | <br> <br> 1.00   |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| Map symbol and soil name | <br> Pct.<br>  of<br> map<br> unit | manure and food-<br>processing waste |                    | Application  <br>  of sewage sludge  <br> |                    | Disposal of wastewater by irrigation   |                    |
|--------------------------|------------------------------------|--------------------------------------|--------------------|---|--------------------|--|--------------------|
|                          | <br> <br> <br>                     |                                      |                    | Rating class and   limiting features      |                    |  |                    |
|                          | <br> <br> <br>                     | <br>  Leaching<br>  limitation       | 10.45              | <br>  Droughty<br>                        | 10.30              | <br>  Droughty<br>   | 10.30              |
|                          |                                    | Droughty<br> <br>                    | 0.30<br> <br>      | Too acid<br> <br>                         | 0.07<br> <br>      | Too steep for<br>  surface<br>  application                                  | 0.08<br> <br>      |
| 51:                      | <br>                               | Too acid<br> <br>                    | 0.02<br> <br>      | <br>                                      | <br> <br>          | Too acid<br> <br>  | 0.07<br> <br>      |
| Vesser                   | -  95<br> <br>                     |                                      |                    | Very limited<br>  Flooding                |                    | Very limited<br>  Depth to<br>  saturated zone                               | 11.00              |
|                          | i<br>I                             | Flooding<br> <br>                    | 0.60               | Depth to saturated zone                   | 1.00               | Flooding<br> <br>  | 0.60<br>           |
| 56B:<br>Cantril          | 90                                 | Depth to saturated zone              | 10.43              | saturated zone                            | 0.43               | saturated zone Too steep for   | 0.43               |
|                          | <br> <br> <br>                     | <br>                                 |                    | <br>                                      | <br> <br>          | surface<br>  application<br>  Too acid<br>                                   | <br> <br> 0.07     |
| 58E:<br>Douds            | <br>-  90<br> <br>                 | •                                    | <br> <br> 1.00<br> | <br> Very limited<br>  Slope<br>          | <br> <br> 1.00<br> | <br> Very limited<br>  Too steep for<br>  surface<br>  application           | <br> <br> 1.00<br> |
|                          |                                    | Too acid<br> <br> -<br> -<br> -      | 0.02               | Too acid<br> <br> -<br> -<br> -           | 0.07<br> <br> <br> | Too steep for<br>  sprinkler<br>  application<br>  Too acid                  | 1.00               |
| 58F:<br>Douds            | <br>-  95<br> <br>                 |                                      |                    | <br> Very limited<br>  Slope<br>          | 11.00              | <br> Very limited<br>  Too steep for<br>  surface<br>  application           | <br> <br> 1.00<br> |
|                          |                                    | <br>  Too acid<br> <br> <br>         | 0.02               | <br>  Too acid<br> <br> <br>              | <br> 0.07<br> <br> | application<br>  Too steep for<br>  sprinkler<br>  application<br>  Too acid | 11.00              |
| 65E:<br>Lindley          | <br>-  90<br> <br>                 | <br> Very limited<br>  Slope<br>     | 1 1.00             | <br> Very limited<br>  Slope<br>          | 1 1.00             | <br> Very limited<br>  Too steep for<br>  surface<br>  application           | 11.00              |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| Map symbol and soil name | <br> Pct.<br>  of<br> map<br> unit | manure and food<br>processing was       | -         | Application of sewage sludge         |           | Disposal of<br>  wastewater<br>  by irrigation<br>  |                |
|--------------------------|------------------------------------|---|-----------|--------------------------------------|-----------|---|----------------|
|                          |                                    | Rating class and<br>  limiting features |           | Rating class and   limiting features |           | Rating class and<br>  limiting features             | Value<br> <br> |
|                          |                                    | <br>  Restricted<br>  permeability      | 0.30      | <br>  Too acid<br>                   | 0.31      | <br>  Too steep for<br>  sprinkler<br>  application | 11.00          |
|                          | i<br>I                             | Too acid<br>                            | 0.08      | Restricted permeability              | 0.22      | Too acid  | 0.31           |
|                          | <br> <br>                          | <br>                                    | <br> <br> | <br>                                 | <br> <br> | Restricted<br>  permeability<br>                    | 0.22<br> <br>  |
| 65E2:<br>Lindley         | 90                                 | <br> Very limited<br>  Slope            | 11.00     | <br> Very limited<br>  Slope         | 11.00     | <br> Very limited<br>  Too steep for<br>  surface   | 1 1.00         |
|                          | <br>                               | <br> <br>  Restricted<br>  permeability | 0.30      | <br>  Too acid<br>                   | 0.31      | application Too steep for sprinkler                 | 11.00          |
|                          | <br> <br>                          | <br>  Too acid<br>                      | 10.08     | Restricted   permeability            | 0.22      | application<br>  Too acid<br>                       | 0.31           |
|                          | i<br>I                             | <br>                                    | <br> <br> |                                      | <br>      | Restricted permeability                             | 0.22           |
| 65F:<br>Lindley          | 90                                 | <br> <br> Very limited                  | <br> <br> | <br> Very limited                    |           | <br> <br> Very limited                              |                |
|                          | <br>                               | Slope<br> <br>                          | 1.00<br>  | Slope<br> <br>                       | 1.00<br>  | Too steep for<br>  surface<br>  application         | 11.00          |
|                          | <br> <br> <br>                     | Restricted permeability                 | 0.30      | Too acid                             | 0.31      |   | 1.00           |
|                          | <br>                               | <br>  Too acid<br>                      | 0.08      | Restricted<br>  permeability         | 0.22      | Too acid  | 0.31           |
|                          | <br> <br>                          | <br>                                    |           | <br>                                 | <br> <br> | Restricted<br>  permeability<br>                    | 0.22<br> <br>  |
| 65G:<br>Lindley          | 90                                 | <br> Very limited<br>  Slope<br>        | 1.00      | <br> Very limited<br>  Slope<br>     | 11.00     | surface   | 1 1.00         |
|                          |                                    | <br>  Restricted<br>  permeability      | 10.30     | <br>  Too acid<br>                   | 0.31      | sprinkler   | 11.00          |
|                          | <br>                               | <br>  Too acid<br>                      | 0.08      | Restricted<br>  permeability         | 0.22      | application<br>  Too acid<br>                       | 0.31           |
|                          | <br> <br>                          | <br>                                    | <br> <br> | <br>                                 | <br> <br> | Restricted<br>  permeability<br>                    | 0.22<br> <br>  |

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Henry County, Iowa

| Map symbol and soil name | <br> Pct.<br>  of<br> map<br> unit    | manure and food-   processing waste   |   | Application<br>  of sewage sludg<br> <br>   | e  | <br>  Disposal of<br>  wastewater<br>  by irrigation<br>   | 1                                     |
|--------------------------|---------------------------------------|---|---|---|--|--|---------------------------------------|
|                          | <br>                                  | Rating class and<br>  limiting features   |   | Rating class and<br>  limiting features   |  | Rating class and<br>  limiting features  | Value<br> <br>                        |
| 75:<br>Givin             | 90                                    | <br> Somewhat limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability     | 1 1 1 1 0 . 43                          | saturated zone  | <br> <br> <br> 0.43<br> <br> 0.22            | <br> Somewhat limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability                | 10.43                                 |
| 75B:<br>Givin            | <br>  95<br> <br> <br> <br> <br> <br> | <br> Somewhat limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability<br> | <br>  0.43<br>  0.30<br>  1<br>  1      | <br> Somewhat limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability<br> | <br>  0.43<br>  0.22<br>  1<br>  1           | saturated zone   | <br> 0.43<br> <br> 0.22<br> <br> 0.08 |
| 76B:<br>Ladoga           | <br>  95<br> <br> <br> <br> <br>      | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>                              | <br> <br> 0.30<br> <br> <br> <br>       | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>                              | <br> <br> 0.22<br> <br> <br> <br>            | <br> Somewhat limited<br>  Restricted<br>  permeability<br>  Too steep for<br>  surface<br>  application | <br> 0.22<br> <br> 0.08<br>           |
| 76C:<br>Ladoga           | <br>  95<br> <br> <br> <br> <br> <br> | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>                              | <br>  0.30<br> <br> <br> <br> <br> <br> | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>                              | <br>   <br>    0.22<br>   <br>   <br>   <br> |  | <br> 0.91<br> <br> 0.22<br> <br> 0.02 |
| 76C2:<br>Ladoga          | <br>  95<br> <br> <br> <br> <br> <br> | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br> <br>                         | <br> 0.30<br> <br> <br> <br> <br> <br>  | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br> <br>                         | <br>    0.22<br>   <br>   <br>   <br>   <br> |  | <br> 0.91<br> <br> 0.22<br> <br> 0.02 |

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Henry County, Iowa

| Map symbol and soil name | of map  | Pct.  Application of   of   manure and food-  map   processing waste   unit    |           | Application of sewage sludg   |                                       | Disposal of wastewater by irrigation | 1  |
|--------------------------|---|--|-----------|---|---------------------------------------|--------------------------------------|--|
|                          | <br> <br> <br>                                  |  |           | Rating class and<br>  limiting features                                   |                                       |                                      | Value<br> <br>                                 |
| 76D2:<br>Ladoga          | <br> <br>  95<br> <br>                          | <br> <br> Somewhat limited<br>  Slope<br>                                      |           | <br> <br> Somewhat limited<br>  Slope<br>                                 | <br> <br> <br> 0.63                   | <br>                                 | <br> <br> <br> 1.00                            |
|                          | <br>  | Restricted<br>  permeability<br> <br> <br>                                     | 0.30      | Restricted permeability  I  | 0.22                                  |                                      | 0.77   |
| 80B:<br>Clinton          | <br>  95<br> <br> <br> <br> <br>                | <br> Somewhat limited<br>  Restricted<br>  permeability<br>  Too acid<br>      | 0.30<br>  | <br> Somewhat limited<br>  Restricted<br>  permeability<br>  Too acid<br> | 0.22                                  |                                      | <br> 0.22<br> <br> 0.08<br> <br>               |
| 80C:<br>Clinton          | <br> <br> -<br>  90<br> <br>                    | <br> -<br> Somewhat limited<br>  Restricted<br>  permeability                  |           | <br> -<br> Somewhat limited<br>  Restricted<br>  permeability             | <br> <br> <br> 0.22                   | <br> <br> Somewhat limited           | 0.91   |
|                          |   | Too acid<br> <br> -<br> -<br> -<br> -<br> -<br> -                              | 0.02      | Too acid  I I I I I I I I   | 0.07                                  | = =                                  | 0.22<br> <br>  0.07<br>  0.02<br>              |
| 80c2:<br>Clinton         | <br>  90<br> <br> <br> <br> <br> <br> <br> <br> | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>  Too acid<br> | 0.30      | permeability  | <br>  0.22<br> <br>  0.07<br> <br>  1 | surface application                  | <br> 0.91<br> <br> 0.22<br> <br> 0.07<br> 0.02 |
| 80D:<br>Clinton          | <br> -  90                                      | <br> <br> Somewhat limited   | <br> <br> | <br> <br> Somewhat limited  | <br> <br>                             | <br> <br> Very limited               |  |

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Henry County, Iowa

| and soil name    | Pct.<br>  of<br> map<br> unit | of   manure and foomap   processing wa  |                     | Application<br>  of sewage sludge<br> <br> |                     | Disposal of<br>  wastewater<br>  by irrigation<br>                 |                                  |
|------------------|-------------------------------|---|---------------------|--|---------------------|--|----------------------------------|
|                  | <br> <br>                     | Rating class and limiting features  |                     | Rating class and   limiting features       |                     | Rating class and<br>  limiting features                            | Value                            |
|                  | <br> <br> <br>                | <br>  Slope<br>   | 0.63                | <br>  Slope<br>                            | 10.63               | Too steep for surface application                                  | 11.00                            |
|                  | <br> <br>                     | Restricted<br>  permeability  | 0.30<br>            | Restricted<br>  permeability               | 0.22<br>            | Too steep for<br>  sprinkler<br>  application                      | 0.77<br>                         |
|                  | <br> <br>                     | <br>  Too acid<br> <br>   | 0.02<br>            | Too acid<br> <br>                          | 0.07                |  | 0.22<br> <br> 0.07               |
| 80D2:<br>Clinton | <br> <br>  90<br>             |   | <br> <br> <br> 0.63 | <br> Somewhat limited<br>  Slope<br>       | <br> <br> <br> 0.63 | surface  | <br> <br> <br> 1.00              |
|                  | <br> <br>                     | <br>  Restricted<br>  permeability  | <br> 0.30<br>       | Restricted<br>  permeability               | 0.22                | application<br>  Too steep for<br>  sprinkler<br>  application     | <br> 0.77<br>                    |
|                  | <br> <br> <br>                | <br>  Too acid<br> <br>   | 0.02                | Too acid                                   | 0.07                |  | 0.22                             |
| 88:<br>Nevin     | <br>  90<br> <br>             |   | 0.43                |  | 0.43                | <br> Somewhat limited<br>  Depth to<br>  saturated zone            | 0.43                             |
| 110B:<br>Lamont  | <br> <br>  90<br>             | <br> <br> Very limited<br>  Filtering   | <br> <br> <br> 1.00 | <br> Very limited<br>  Filtering           |                     | <br> <br> Very limited<br>  Filtering                              | 1 1.00                           |
|                  | <br> <br> <br>                | capacity<br>  Too acid<br> <br>   | <br> 0.02<br> <br>  | capacity<br>  Too acid<br>                 | <br> 0.07<br>       | capacity<br>  Too steep for<br>  surface<br>  application          | <br> 0.08<br> <br>               |
| 110C:            | <br> <br>                     | <br>  | <br>                | <br>                                       | <br>                | Too acid<br> <br>  | 0.07<br> <br>                    |
| Lamont           | 90<br> <br>                   | Very limited<br>  Filtering<br>  capacity   |                     | Very limited<br>  Filtering<br>  capacity  |                     | Very limited<br>  Filtering<br>  capacity                          | <br> 1.00<br>                    |
|                  | <br> <br> <br> <br> <br>      | Too acid   Too acid | 0.02                | Too acid                                   | 0.07                | Too steep for surface application Too acid Too steep for sprinkler | 0.91<br> <br> <br> 0.07<br> 0.02 |

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Henry County, Iowa

| Map symbol<br>and soil name | Pct.<br>  of<br> map<br> unit                              | manure and food-<br>processing waste                           |  | Application Of sewage sludg   | е        | Disposal of wastewater by irrigation  |  |
|-----------------------------|--|--|--|---|----------|---|--|
|                             |  | _  |  | Rating class and   limiting features  |          | =   |  |
| 122:<br>Sperry              | <br>   95<br> <br> <br> <br> <br>                          | Restricted<br>  permeability<br>  Depth to<br>  saturated zone | <br> <br> 1.00<br> <br> 1.00<br> <br> 0.50 | saturated zone Restricted permeability  | 11.00    | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability | 1.00   |
| 130:<br>Belinda             | <br>   95<br> <br> <br> <br>                               | Restricted permeability  | 1.00<br> <br> 1.00                         | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone | 1.00<br> | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone | <br> 1.00<br> <br> 1.00<br>                    |
| 131B: Pershing              | <br>   95<br> <br> <br> <br> <br> <br> <br>                | Restricted permeability Depth to saturated zone                | 1.00<br>                                   |   |          | Depth to saturated zone   | <br> 1.00<br> <br> 0.43<br> <br> 0.31<br> 0.08 |
| 131C: Pershing              | <br>   90<br> <br> <br> <br> <br> <br> <br> <br> <br> <br> | Restricted permeability Depth to saturated zone                |  | Depth to<br>  saturated zone  | 11.00    | permeability Too steep for surface application  |  |
| 132B:<br>Weller             | 95<br> <br> <br> <br>                                      | permeability   | <br> 1.00<br> <br> 0.43                    | permeability  | 1.00     | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone | 1.00   |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| ± ±                | <br> Pct.<br>  of<br> map<br> unit    | manure and food<br>processing was   | Application of  <br>manure and food-  <br>processing waste |  | е                                     | Disposal of wastewater by irrigation  |                                  |
|--------------------|---------------------------------------|---|--|--|---------------------------------------|---|----------------------------------|
|                    | <br> <br> <br>                        | Rating class and<br>  limiting features   |  | Rating class and   limiting features       |                                       | Rating class and<br>  limiting features   | Value<br> <br>                   |
|                    | <br> <br> <br> <br> <br>              | Too acid  | 10.08  | Too acid                                   | 0.31                                  | Too acid Too steep for surface application  | 0.31                             |
| 132C:<br>Weller    | <br>  90<br> <br> <br> <br> <br>      | Restricted<br>  permeability<br>  Depth to<br>  saturated zone                                  | 1.00<br> <br> 0.43<br>                                     | permeability Depth to saturated zone       | 1.00<br> <br> 0.43<br>                | permeability Too steep for surface application  | <br> 1.00<br> <br> 0.91          |
|                    | <br> <br> <br> <br> <br> <br>         | Too acid<br> <br> <br> <br> <br> <br> <br>  | 0.08<br> <br> <br> <br> <br> <br> <br>                     | Too acid<br> <br> <br> <br> <br> <br> <br> | 0.31<br> <br> <br> <br> <br> <br>     | Depth to<br>  saturated zone<br>  Too acid<br>  Too steep for<br>  sprinkler<br>  application | 0.43<br> <br> 0.31<br> 0.02<br>  |
| 133:<br>Colo       | <br>  95<br> <br> <br> <br> <br>      | Depth to saturated zone Leaching limitation   | <br> 1.00<br> <br> 0.70<br> <br> 0.60                      | saturated zone                             | <br> 1.00<br> <br> 1.00               | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Flooding<br>                         | <br> 1.00<br> <br> 0.60          |
| 133+:<br>Colo      | <br>  95<br> <br> <br> <br>           | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Leaching<br>  limitation<br>  Flooding | 1.00   | saturated zone                             | 1.00                                  | saturated zone  | 1.00                             |
| 133B:<br>Colo      | <br>  95<br> <br> <br> <br> <br> <br> | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Leaching<br>  limitation<br>  Flooding | <br>  1.00<br>  1.00<br>  10.70<br>  10.60                 | saturated zone                             | <br>  1.00<br>  1.00<br>  1.00<br>  1 | saturated zone  | <br>  1.00<br>  10.60<br>  10.08 |
| 154E:<br>Ainsworth | 50                                    | <br> Very limited   |  | <br> Very limited                          |                                       | <br> <br> Very limited  |                                  |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit | manure and food<br>processing was                   | _                       | Application<br>  of sewage sludg<br> <br>           | е                       | Disposal of wastewater by irrigation                                      |                              |
|--------------------------|-------------------------------|---|-------------------------|---|-------------------------|---|------------------------------|
|                          | <br> <br> <br>                | Rating class and<br>  limiting features             |                         | Rating class and<br>  limiting features             |                         | Rating class and<br>  limiting features                                   | Value<br> <br>               |
|                          | <br> <br> <br>                | <br>  Filtering<br>  capacity                       | 11.00                   | <br>  Filtering<br>  capacity                       | 11.00                   | <br>  Too steep for<br>  surface<br>  application                         | 11.00                        |
|                          | İ                             | Slope   | 0.96                    | Slope   | 0.96                    |   | 11.00                        |
|                          |                               | Restricted permeability                             | 0.30                    | Restricted<br>  permeability                        | 0.22                    |   | 0.97                         |
|                          |                               | Too acid<br>  | 0.02                    | Too acid  | 0.07                    |   | 0.22<br> <br> 0.07           |
| Lamont                   | <br> -<br>  30<br>            | <br> <br> Very limited<br>  Filtering<br>  capacity | 11.00                   | <br> <br> Very limited<br>  Filtering<br>  capacity | 11.00                   | <br> Very limited   | 1 1.00                       |
|                          |                               | <br>  Slope   | <br> 0.96               | <br>  Slope   | 10.96                   | •   | 11.00                        |
|                          | <br> <br> <br> <br>           | <br>  Too acid<br> <br> <br>                        | 10.02                   | <br>  Too acid<br> <br> <br>                        | <br> 0.07<br> <br>      | capacity<br>  Too steep for<br>  sprinkler<br>  application<br>  Too acid | <br> 0.97<br> <br> <br> 0.07 |
| 163B:<br>Fayette         | <br> <br> -  90<br> <br>      | <br> <br> Somewhat limited<br>  Too acid<br> <br>   | <br> <br> <br> 0.02<br> | <br> Somewhat limited<br>  Too acid<br> <br>        | <br> <br> <br> 0.07<br> | surface application   | <br> <br> <br> 0.08          |
|                          |                               | <br>  |                         | <br>  | <br>                    | Too acid<br>  | 0.07<br>                     |
| 163C2:<br>Fayette        | <br>  90<br> <br>             | <br> Somewhat limited<br>  Too acid<br>             | 1 10.02                 | <br> Somewhat limited<br>  Too acid<br>             |                         | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application    | <br> <br> 0.91<br>           |
|                          | <br>                          | <br>  | <br>                    | <br>  | <br>                    | Too acid<br>  Too steep for<br>  sprinkler<br>  application               | 0.07                         |
| 173:<br>Hoopeston        | <br> -   90<br> <br>          | Filtering<br>  capacity                             |                         | capacity  |                         | capacity  | <br> <br> 1.00               |
|                          |                               | Depth to<br>  saturated zone<br>  Too acid          | 1.00<br> <br> 0.02      | Depth to<br>  saturated zone<br>  Too acid          | 1.00<br> <br> 0.07      | Depth to<br>  saturated zone<br>  Too acid                                | 1.00<br> <br> 0.07           |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit                | manure and food<br>processing was  | manure and food-   processing waste |  | е   | Disposal of<br>  wastewater<br>  by irrigation  | 1  |
|--------------------------|--|--|-------------------------------------|--|---|---|--|
|                          | <br> <br> <br>                               |  |                                     | Rating class and<br>  limiting features            |   |   |  |
| 175:<br>Dickinson        | <br> <br> -  90<br> <br> <br>                |  |                                     | <br> Very limited<br>  Filtering<br>  capacity<br> |   | <br> <br> Very limited<br>  Filtering<br>  capacity<br>   | 1 1.00   |
| 179E:<br>Gara            | <br> -  90<br> <br> <br> <br> <br>           | <br> Very limited<br>  Slope<br> <br> <br>  Restricted<br>  permeability | <br> 1.00<br> <br> <br> 0.30        | I<br>I   | <br> 1.00<br> <br> <br> <br> 0.22           | surface application   | <br> 1.00<br> <br> <br> 1.00                             |
| 179E2:<br>Gara           | <br>   |  | 1.00<br> <br>                       |  | <br> <br> <br> <br> 1.00<br> <br> <br> 0.22 | surface application   | 0.22<br> <br> <br> <br> 1.00<br> <br> 1.00<br> <br> 1.00 |
| 180:<br>Keomah           | <br> -  90<br> <br> <br> <br> <br>           | saturated zone   | 0.89<br> <br> 0.43                  | saturated zone                                     | 0.78<br> <br> 0.43                          | <br> Somewhat limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br>  Too acid | <br>  0.78<br>  0.43<br>  0.07                           |
| 180B:<br>Keomah          | <br> -  90<br> <br> <br> <br> <br> <br> <br> | Restricted permeability  | 0.89                                |  | 0.78  |   |  |
| 192D2:<br>Adair          | <br> <br> - 95                               | <br> <br> Very limited   |                                     | <br> <br> Very limited                             |   | <br> <br> Very limited  | <br>   |

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Henry County, Iowa

| Map symbol and soil name | <br> Pct.<br>  of<br> map<br> unit | manure and food<br>processing was                      | -                       | Application<br>  of sewage sludg<br> <br>                      |                         | Disposal of<br>  wastewater<br>  by irrigation<br> |   |
|--------------------------|------------------------------------|--|-------------------------|--|-------------------------|--|---|
|                          |                                    | Rating class and<br>  limiting features                | Value<br> <br>          | Rating class and<br>  limiting features                        | Value                   | Rating class and<br>  limiting features<br>        | Value<br> <br>                          |
|                          | <br> <br> <br>                     | •  | <br> 1.00<br>           | •  | 11.00                   | <br>  Too steep for<br>  surface<br>  application  | 11.00                                   |
|                          | i<br>I                             | saturated zone   | 1.00                    | saturated zone   | İ                       | Restricted<br>  permeability                       | 11.00                                   |
|                          | <br> <br> <br>                     | Slope<br> <br> <br>                                    | 0.63<br> <br> <br> <br> | Slope<br> <br> <br> <br>                                       | 0.63<br> <br> <br> <br> | saturated zone                                     | 1.00<br> <br> 0.77<br>                  |
| 208:<br>Klum             | <br> <br>  85                      | •  |                         | <br> <br> <br> Very limited<br>  Flooding                      |                         | <br> <br> <br> Very limited<br>  Flooding          | 1 1.00                                  |
| 211:<br>Edina            | <br> <br> <br>  95                 | <br>   | <br>                    | <br> <br> <br> Very limited                                    |                         | <br> <br> <br> Very limited                        | <br> <br> <br>                          |
|                          |                                    | permeability Depth to saturated zone Runoff limitation | <br> 1.00               | permeability Depth to saturated zone Too acid                  | 11.00                   | permeability Depth to saturated zone               | 1.00<br> <br> 1.00<br> <br> 0.07        |
| 220:<br>Nodaway          | <br> <br>  85<br>                  |  |                         | <br> <br> Very limited<br>  Flooding                           |                         | <br> <br> Somewhat limited<br>  Flooding           | 1 |
| 222C:<br>Clarinda        | <br>  90<br> <br> <br> <br> <br>   | Restricted<br>  permeability                           | 1.00<br> <br> 1.00      | Restricted<br>  permeability<br>  Depth to<br>  saturated zone | 1.00<br> <br> 1.00      | saturated zone                                     | 11.00                                   |
| 22262                    |                                    | •  | <br> 0.02<br> <br> <br> | •  |                         |  | 0.07<br> 0.02<br>                       |
| 222C2:<br>Clarinda       | <br>  90<br> <br> <br>             | permeability   | <br> 1.00<br> <br> 1.00 | permeability   | <br> 1.00<br> <br> 1.00 | permeability                                       | <br> 1.00<br> <br> 1.00                 |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| and soil name    | <br> Pct.<br>  of<br> map<br> unit              | manure and food-<br>processing was   | Application of   manure and food-   processing waste                |  | e   | <br>  Disposal of<br>  wastewater<br>  by irrigation                                 |  |
|------------------|---|--|---|--|---|--|--|
|                  | i<br> <br>                                      | Rating class and<br>  limiting features  | Value<br> <br>  | Rating class and   limiting features             |   | Rating class and<br>  limiting features  | Value<br> <br>   |
|                  | <br> <br> <br> <br> <br> <br> <br>              | <br>  Runoff limitation<br> <br> <br>  Too acid<br> <br> <br>  | <br> 0.40<br> <br> <br> 0.02<br> <br>                               | <br>  Too acid<br> <br> <br> <br> <br> <br> <br> | <br> 0.07<br> <br> <br> <br> <br> <br>  | Too steep for surface application Too acid Too steep for sprinkler application       | <br> 0.91<br> <br> <br> 0.07<br> 0.02<br> <br>                         |
| 223C2:<br>Rinda  | <br>  95<br> <br> <br> <br> <br> <br> <br> <br> | permeability   | <br>      1.00<br>      1.00<br>      1.00<br>                      |  | <br>  1.00<br>  1.00<br>  1.00<br>  10.07<br>  1<br>  1                                   |  | <br>  1.00<br>  1.00<br>  1.00<br>  10.91<br>  1<br>  10.07<br>  10.02 |
| 223D2:<br>Rinda  | <br>  90<br> <br> <br> <br> <br> <br> <br>      | permeability Depth to saturated zone   | 1.00<br> <br> 1.00<br> <br> 0.63                                    |  | <br> 1.00<br> <br> 1.00<br> <br> 1.00<br> <br> 0.63<br> <br> 0.07                         | permeability Depth to saturated zone Too steep for surface application Too steep for | <br> 1.00<br> <br> 1.00<br> <br> 1.00<br> <br> 1.00                    |
| 260:<br>Beckwith | <br> <br> <br> <br>  95<br> <br> <br> <br>      | <br> -<br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br>  Runoff limitation | <br>  0.02<br> <br>  1.00<br>  1.00<br>  1.00<br>  10.40<br>  10.08 | saturated zone<br>  Too acid                     | <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> <br> | Depth to saturated zone  | <br>   |
| 263:<br>Okaw     | <br> <br>  95                                   | <br> <br> Very limited   | <br> <br>   | <br> <br> Very limited                           | <br> <br>   | <br> <br> Very limited   | <br>   |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit                    | manure and food-<br>processing was   |  | Application<br>  of sewage sludg<br>  | е                                     | Disposal of<br>  wastewater<br>  by irrigation  | ı   |
|--------------------------|--|--|--|---|---------------------------------------|---|---|
|                          |  | <br>  Rating class and<br>  limiting features<br>                                    |  | Rating class and<br>  limiting features   |                                       | Rating class and<br>  limiting features   | Value   |
|                          |  | permeability Depth to saturated zone Runoff limitation                               | 1.00<br>  1.00<br>  1.00<br>  0.40<br>  0.08 | permeability Depth to saturated zone Too acid   | 1.00<br>  1.00<br>  1.00<br>  0.31    | permeability Depth to saturated zone  | 1.00<br>  1.00<br>  1.00<br>  0.31                  |
| 263B:<br>Okaw            | <br> -  95<br> <br> <br> <br> <br> <br> <br>     | permeability Depth to saturated zone Runoff limitation                               | 1.00<br> <br> 1.00                           | permeability  | <br> 1.00<br> <br> 1.00<br> <br> 0.31 |   | <br> 1.00<br> <br> 1.00<br> <br> 0.31<br> 0.08      |
| 264B:<br>Ainsworth       | <br>-  90<br> <br> <br> <br> <br> <br>           | capacity   | <br> 1.00<br> <br> 0.30<br> <br>             | capacity  | <br> 1.00<br> <br> 0.22<br> <br> <br> |   | <br> 1.00<br> <br> 0.22<br> <br> 0.08               |
| 264C2: Ainsworth         | <br>   90<br> <br> <br> <br> <br> <br> <br> <br> | <br> Very limited<br>  Filtering<br>  capacity<br>  Restricted<br>  permeability<br> | <br> 1.00<br> <br> 0.30<br> <br> <br> <br>   | <br> Very limited<br>  Filtering<br>  capacity<br>  Restricted<br>  permeability<br>  | <br> 1.00<br> <br> 0.22<br> <br> <br> |   | <br> 1.00<br> <br> 0.91<br> <br> 0.22<br> <br> 0.02 |
| 279:<br>Taintor          | <br>-  85<br> <br> <br> <br>                     | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Leaching<br>  limitation    | <br> <br> 1.00<br> <br> 0.50                 | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability | <br> 1.00<br> <br> 0.22               | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability | <br> 1.00<br> <br> 0.22                             |

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Henry County, Iowa

| Map symbol and soil name | Pct.   Application of                 |  | Application<br>  of sewage sludg<br> <br> | e   | Disposal of<br>  wastewater<br>  by irrigation<br> |  |                                       |
|--------------------------|---------------------------------------|--|---|---|--|--|---------------------------------------|
|                          | <br> <br> <br>                        | Rating class and<br>  limiting features                          |   | Rating class and   limiting features                        |  | Rating class and   limiting features   |                                       |
|                          |                                       | Restricted   permeability  | 10.30                                     | <br>  |  | <br>   |                                       |
| 280:                     | 1                                     | <br>   | 1   | 1   |  | <br>   | 1                                     |
| Mahaska                  | 85<br> <br> <br>                      | Somewhat limited<br>  Depth to<br>  saturated zone<br>  Too acid | 0.43                                      | saturated zone  | 0.43   | saturated zone   | 0.43                                  |
| 280B:<br>Mahaska         | 90                                    | <br> <br> Somewhat limited<br>  Depth to                         | 10.43                                     | <br> Somewhat limited                                       | 0.43   | <br> Somewhat limited<br>  Depth to  | 1 1 1 0 . 4 3                         |
|                          |                                       | saturated zone   | 0.43                                      | saturated zone  | 0.43   | saturated zone   | 0.08                                  |
|                          | <br> <br>                             | <br> <br>  | <br> <br>                                 | <br>  | <br> <br>  | Too acid   | 0.07                                  |
| 281B:<br>Otley           | <br>  95<br> <br> <br>                |  | <br> <br> 0.02<br> <br>                   | <br> Somewhat limited<br>  Too acid<br> <br>                | <br> 0.07<br> <br>                                 | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application<br>  Too acid | <br> 0.08<br> <br> <br> 0.07          |
| 281C:<br>Otley           | <br>  95<br> <br>                     | <br> Somewhat limited<br>  Too acid<br>                          | <br> <br> 0.02<br>                        | <br> Somewhat limited<br>  Too acid<br> <br>                | <br> <br> <br> 0.07                                | <br> -<br> Somewhat limited<br>  Too steep for<br>  surface<br>  application         | 0.91                                  |
|                          | <br> <br> <br> <br>                   | <br>   | <br>                                      | <br>  | <br>   | Too acid Too steep for sprinkler application   | 0.07<br> 0.02<br> <br>                |
| 281C2:<br>Otley          | <br>  95<br> <br> <br> <br> <br> <br> |  | 1   | <br> Somewhat limited<br>  Too acid<br> <br> <br> <br> <br> | <br> <br> 0.07<br> <br> <br> <br> <br>             |  | <br> 0.91<br> <br> <br> 0.07<br> 0.02 |
| 293B:<br>Chelsea         | <br> <br>  35                         | <br> <br> Very limited   |   | <br> Very limited   |  | <br> <br> Very limited   | <br>                                  |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit                     | manure and food<br>processing was  | -                       | Application of sewage sludg   | re                      | Disposal of wastewater by irrigation   | ı   |
|--------------------------|---|--|-------------------------|---|-------------------------|--|---|
|                          | <br> <br> <br>                                    | Rating class and<br>  limiting features                                      |                         | Rating class and<br>  limiting features                               |                         |  |   |
|                          |   | <br>  Filtering<br>  capacity<br>  Leaching                                  | 11.00                   | capacity  | 1.00<br> <br> 0.35      | capacity   | <br> 1.00<br> <br> 0.35                             |
|                          |   | limitation<br>  Droughty   | 10.35                   |   | 10.07                   | Too steep for  | 10.08   |
|                          | <br>  | <br> <br>  Too acid  | <br> <br> 0.02          | <br>  | <br> <br>               | surface<br>  application<br>  Too acid   | <br> <br> 0.07                                      |
| Lamont                   | <br> -  35<br> <br>                               | <br> Very limited<br>  Filtering<br>  capacity<br>  Too acid                 | <br> 1.00<br> <br> 0.02 | capacity  |                         | <br> Very limited<br>  Filtering<br>  capacity<br>  Too steep for                          | <br> 1.00<br> <br> 0.08                             |
|                          |   | 100 acid<br> <br>  |                         | 100 actu  |                         | surface<br>  application<br>  Too acid   | 10.07   |
| Fayette                  | 30  | Somewhat limited<br>  Too acid<br>   | <br> 0.02<br> <br>      | Somewhat limited   Too acid   | 0.07                    | Somewhat limited   Too steep for   surface   application   Too acid                        | 0.08  |
| 293C:<br>Chelsea         | <br>  | <br> Very limited<br>  Filtering<br>  capacity<br>  Leaching<br>  limitation |                         | <br> Very limited<br>  Filtering<br>  capacity<br>  Droughty          |                         | surface  | <br> <br> 1.00<br> <br> 0.91                        |
|                          | <br> <br> <br> <br> <br>                          | <br>  Droughty<br>  Too acid<br> <br> <br>                                   | <br> 0.35<br> 0.02<br>  |   | <br> 0.07<br> <br> <br> | application<br>  Droughty<br>  Too acid<br>  Too steep for<br>  sprinkler<br>  application | <br> 0.35<br> 0.07<br> 0.02                         |
| Lamont                   | <br> -  35<br> <br> <br> <br> <br> <br> <br> <br> | <br> Very limited<br>  Filtering<br>  capacity<br>  Too acid<br> <br> <br>   | 11.00                   | <br> Very limited<br>  Filtering<br>  capacity<br>  Too acid<br> <br> | 1.00<br>                |  | <br> 1.00<br> <br> 0.91<br> <br> <br> 0.07<br> 0.02 |
| Fayette                  | -  30   | <br> Somewhat limited  |                         | <br> Somewhat limited   |                         | <br> Somewhat limited  |   |

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Henry County, Iowa

| and soil name    | Pct.<br>  of<br> map<br> unit      | manure and food<br>processing was           | -                                | Application  <br>  of sewage sludge  <br>      |  | Disposal of<br>  wastewater<br>  by irrigatior                                 | 1                                 |
|------------------|------------------------------------|---|----------------------------------|--|--|--|-----------------------------------|
|                  | <br> <br>                          | Rating class and<br>  limiting features     |                                  | Rating class and   limiting features           |  | Rating class and<br>  limiting features  | Value<br> <br>                    |
|                  | <br> <br> <br> <br> <br> <br> <br> | <br>  Too acid<br> <br> <br> <br> <br> <br> | 0.02<br>  1<br>  1<br>  1<br>  1 | <br>  Too acid<br> <br> <br> <br> <br> <br>    | <br> 0.07<br> <br> <br> <br> <br> <br> | Too steep for surface application Too acid Too steep for sprinkler application | 0.91                              |
| 293E:<br>Chelsea | <br>  35<br>                       |   | 11.00                            | <br> Very limited<br>  Filtering<br>  capacity |  | <br> Very limited<br>  Too steep for<br>  surface                              | <br> <br> 1.00<br>                |
|                  | <br>                               | <br>  Slope                                 | 10.96                            | <br>  Slope                                    |  | application<br>  Filtering   | 11.00                             |
|                  | <br> <br> <br>                     | <br>  Leaching<br>  limitation              | 0.45                             | <br>  Droughty<br>                             | <br> 0.35<br>                          | capacity<br>  Too steep for<br>  sprinkler<br>  application                    | <br> 0.97<br>                     |
|                  |                                    |   | 0.35                             |  | 0.07                                   |  | 0.35                              |
| Lamont           | <br>  35<br> <br>                  | . 4   |                                  | <br> Very limited<br>  Filtering<br>  capacity |  | <br> Very limited<br>  Too steep for<br>  surface<br>  application             | 1 1.00                            |
|                  | <br> <br>                          | <br>  Slope<br>                             | 0.96                             | Slope  | 0.96                                   | • • •  | 11.00                             |
|                  | <br>                               | Too acid<br> <br> -<br> -                   | 0.02                             | Too acid<br> <br> <br> <br>                    | 0.07                                   | • •  | 0.97<br> <br> <br> <br> 0.07      |
| Fayette          | <br>  30<br>                       |   | <br> <br> 0.96                   | <br> Somewhat limited<br>  Slope<br>           | <br> <br> 0.96                         | surface  | <br> <br> 1.00                    |
|                  | <br> <br> <br>                     | <br>  Too acid<br> <br>                     | 10.02                            | <br>  Too acid<br> <br>                        | <br> 0.07<br> <br>                     | application<br>  Too steep for<br>  sprinkler<br>  application<br>  Too acid   | <br> 0.97<br> <br> <br> <br> 0.07 |
| 293F:<br>Chelsea | <br> <br> <br>  35                 | <br> <br> Very limited                      |                                  | <br> -<br> Very limited                        | <br> <br> <br>                         | 100 acid<br> <br> <br> Very limited  |                                   |
|                  |                                    | _   | 1.00                             | =  | 1.00                                   | _  | 1.00                              |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| Map symbol and soil name | <br> Pct.<br>  of<br> map<br> unit | manure and food<br>processing was                        | _   | <br>  Application<br>  of sewage sludg<br> <br>          | е                       | Disposal of<br>  wastewater<br>  by irrigation                               | 1                           |
|--------------------------|------------------------------------|--|---|--|-------------------------|--|-----------------------------|
|                          |                                    | Rating class and<br>  limiting features                  |   | Rating class and<br>  limiting features                  |                         | Rating class and<br>  limiting features                                      | Value<br> <br>              |
|                          |                                    | <br>  Filtering<br>  capacity                            | 11.00                                     | <br>  Filtering<br>  capacity<br>                        | 11.00                   | Too steep for   sprinkler   application                                      | 11.00                       |
|                          | <br>                               | Leaching limitation                                      | 0.45                                      | İ  | 0.35<br>                | capacity   | 11.00                       |
|                          |                                    |  | 10.35                                     |  | 0.07                    | Droughty<br>  Too acid   | 10.35                       |
| Lamont                   | 35<br> <br> <br>                   | <br> Very limited<br>  Slope<br> <br>                    | <br> 1.00<br>                             | <br> Very limited<br>  Slope<br> <br>                    | 11.00                   | <br> Very limited<br>  Too steep for<br>  surface<br>  application           | 11.00                       |
|                          |                                    | Filtering<br>  capacity<br>                              | 1.00<br>                                  | Filtering<br>  capacity<br>                              | 1.00<br> <br>           | Too steep for<br>  sprinkler<br>  application                                | 1.00<br> <br>               |
|                          |                                    | Too acid<br> <br>  | 0.02<br> <br>                             | Too acid<br> <br>  | 0.07<br> <br>           | Filtering<br>  capacity<br>  Too acid  | 1.00<br> <br> 0.07          |
| Fayette                  | 30                                 | <br> Very limited<br>  Slope<br>                         | 1 1.00                                    | <br> Very limited<br>  Slope<br>                         | 11.00                   | surface  | 11.00                       |
|                          | <br> <br> <br> <br>                | <br>  Too acid<br> <br> <br>                             | <br> 0.02<br> <br> <br>                   | <br>  Too acid<br> <br> <br>                             | <br> 0.07<br> <br> <br> | application<br>  Too steep for<br>  sprinkler<br>  application<br>  Too acid | 1.00                        |
| 315:                     | i                                  | ·<br>  | į   |  | i                       |  | i                           |
| Klum                     | 40                                 | Very limited<br>  Flooding                               |   | Very limited<br>  Flooding                               | 11.00                   | Very limited<br>  Flooding   | 11.00                       |
| Perks                    | 30                                 | Flooding<br>  Droughty<br>  Filtering<br>  capacity      | <br> 1.00<br> 1.00<br> 1.00<br> <br> 0.45 | Flooding<br>  Filtering<br>  capacity                    | 1.00<br> 1.00           |  | <br> 1.00<br> 1.00<br> 1.00 |
| Nodaway                  | <br>  20<br>                       | <br> Very limited<br>  Flooding<br>                      |   | <br> Very limited<br>  Flooding<br>                      | 1 1.00                  | <br> Very limited<br>  Flooding  | 1   1.00                    |
| 362:<br>Haig             | <br>  90<br>                       | <br> <br> Very limited<br>  Restricted<br>  permeability | <br> <br> 1.00                            | <br> <br> Very limited<br>  Depth to<br>  saturated zone | 11.00                   | <br> <br> Very limited<br>  Depth to<br>  saturated zone                     | 11.00                       |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| Map symbol and soil name | of map                           | Pct.  Application of<br>  of   manure and food-<br> map   processing waste<br> unit                                 |                         | Application Of sewage sludg   |               | Disposal of<br>  wastewater<br>  by irrigation<br>                                    |                                       |
|--------------------------|----------------------------------|---|-------------------------|---|---------------|---|---------------------------------------|
|                          |                                  |   |                         | Rating class and<br>  limiting features   |               |   |                                       |
|                          | <br> <br> <br> <br>              | Depth to   saturated zone   Leaching   limitation   | <br> 1.00<br> <br> 0.50 | permeability  | 11.00         |   | <br> 1.00<br> <br> <br>               |
| 363:<br>Haig             | <br>  95<br> <br> <br> <br> <br> | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br>  Leaching<br>  limitation | 1.00<br>                | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability<br> | 1.00<br>      | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability | <br> 1.00<br> <br> 1.00<br>           |
| 364B:<br>Grundy          | <br>  90<br> <br> <br> <br> <br> | Restricted<br>  permeability  | 1.00<br>                | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br> | 1.00<br>      |   | <br> 1.00<br> <br> 0.95<br> <br> 0.08 |
| 424D:<br>Lindley         | <br> -<br>  60<br> -             | <br> Somewhat limited<br>  Slope<br>  | 0.63                    | <br> Somewhat limited<br>  Slope<br>  | 0.63          | <br> Very limited<br>  Too steep for<br>  surface                                     | 1 1.00                                |
|                          |                                  | <br>  Restricted<br>  permeability  | 0.30                    | <br>  Too acid<br>  | 0.31          | application Too steep for sprinkler application                                       | 0.77                                  |
|                          | <br> <br> <br>                   | <br>  Too acid<br> <br>   | 0.08                    | Restricted<br>  permeability<br>  | 0.22          | Too acid<br> <br>  Restricted<br>  permeability                                       | 0.31                                  |
| Keswick                  |                                  |   |                         | permeability<br> <br>  Depth to<br>  saturated zone                                       |               |   | <br> 1.00<br> <br> 1.00<br> 1.00      |
|                          | <br> <br> <br>                   | <br>  Too acid<br> <br>   | <br> 0.08<br> <br>      | <br>  Too acid<br> <br>   | <br> 0.31<br> | saturated zone<br>  Too steep for<br>  sprinkler<br>  application                     | <br> 0.77<br> <br>                    |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit | manure and food<br>processing was                   | _                  | Application of sewage sludg                    |                | Disposal of wastewater by irrigation                                | 1              |
|--------------------------|-------------------------------|---|--------------------|--|----------------|---|----------------|
|                          | <br> <br> <br>                |   |                    | Rating class and<br>  limiting features        |                |   |                |
|                          |                               | <br>  |                    | <br> <br> <br>                                 |                | <br>  Too acid<br>  | <br> 0.31<br>  |
| 424D2:<br>Lindley        | <br> -   60<br> <br>          |   | <br> <br> 0.63     | <br> Somewhat limited<br>  Slope<br>           | <br> <br> 0.63 | surface   | <br> <br> 1.00 |
|                          |                               | <br>  Restricted<br>  permeability                  | 0.30               | <br>  Too acid<br>                             | 0.31           | application<br>  Too steep for<br>  sprinkler                       | 0.77           |
|                          |                               | <br>  Too acid<br>                                  | 0.08               | Restricted<br>  permeability                   | 0.22           | İ   | 0.31           |
|                          | <br> <br>                     | <br> <br>   | <br> <br>          | <br>   | <br> <br>      | Restricted<br>  permeability<br>                                    | 0.22<br> <br>  |
| Keswick                  | ·  30<br> <br>                |   |                    | Very limited<br>  Restricted<br>  permeability | 11.00          | Very limited<br>  Too steep for<br>  surface<br>  application       | 11.00          |
|                          |                               | Depth to<br>  saturated zone<br>  Slope             | 1.00<br> <br> 0.63 | saturated zone                                 | İ              | Restricted<br>  permeability<br>  Depth to                          | 11.00          |
|                          | <br> <br> <br>                | İ   | 10.08              |  | İ              | saturated zone  | 10.77          |
|                          | <br> <br> <br>                | <br>  | <br> <br> <br>     | <br>   | <br> <br> <br> | application<br>  Too acid   | 0.31           |
| 424E:<br>Lindley         | <br> -  60<br> <br>           | •   | 11.00              | <br> Very limited<br>  Slope<br>               | 11.00          | <br> <br> Very limited<br>  Too steep for<br>  surface              | 1 1.00         |
|                          | <br>                          | <br>  Restricted<br>  permeability                  | 10.30              | <br>  Too acid<br>                             | 0.31           | sprinkler   | 11.00          |
|                          | <br> <br>                     | <br>  Too acid<br>                                  | <br> 0.08<br>      | <br>  Restricted<br>  permeability             | <br> 0.22<br>  | application<br>  Too acid<br>                                       | <br> 0.31<br>  |
|                          |                               | <br>  |                    | <br>   | <br> <br>      | Restricted<br>  permeability<br>                                    | 0.22<br> <br>  |
| Keswick                  | -  30<br> <br>                | <br> Very limited<br>  Restricted<br>  permeability | 11.00              | Very limited<br>  Restricted<br>  permeability | 11.00          | <br>  Very limited<br>  Too steep for<br>  surface<br>  application | 11.00          |
|                          | <br> <br>                     | <br>  Slope<br> <br>                                | 11.00              | <br>  Slope<br> <br>                           | 1.00           | = =   | 11.00          |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit | manure and food<br>processing was                         | -                                | Application of sewage sludg                         | е     | Disposal of wastewater by irrigation                               | 1                                     |
|--------------------------|-------------------------------|---|----------------------------------|---|-------|--|---------------------------------------|
|                          | <br> <br> <br>                | Rating class and<br>  limiting features<br>               |                                  | Rating class and<br>  limiting features             |       | Rating class and   limiting features                               | Value<br> <br>                        |
|                          | <br> <br> <br> <br> <br>      | <br>  Depth to<br>  saturated zone<br>  Too acid<br> <br> | <br> 1.00<br> <br> 0.08<br> <br> | Depth to   saturated zone   Too acid                | 1.00  | Restricted permeability Depth to saturated zone Too acid           | <br> 1.00<br> <br> 1.00<br> <br> 0.31 |
| 424E2:<br>Lindley        | <br>-  60<br> <br>            | <br> Very limited<br>  Slope<br>                          | <br> 1.00<br>                    | <br> Very limited<br>  Slope<br>                    | 11.00 | <br> Very limited<br>  Too steep for<br>  surface<br>  application | <br> <br> 1.00<br>                    |
|                          |                               | Restricted permeability  Too acid                         | 0.30                             |   | 0.31  | Too steep for<br>  sprinkler<br>  application                      | 1.00<br> <br> <br> <br> 0.31          |
|                          |                               | 100 acid<br> <br>   |                                  | permeability<br> <br>                               | 0.22  | 100 acid<br> <br>  Restricted<br>  permeability                    | 10.22                                 |
| Keswick                  | <br>-  30<br> <br>            | <br> Very limited<br>  Restricted<br>  permeability       | 11.00                            | <br> Very limited<br>  Restricted<br>  permeability | 11.00 | <br> Very limited<br>  Too steep for<br>  surface<br>  application | 1 1.00                                |
|                          | <br> <br> <br>                | Slope<br> <br>  | 1.00                             | Slope<br>   | 1.00  | Too steep for<br>  sprinkler<br>  application                      | 11.00                                 |
|                          | İ                             | Depth to saturated zone                                   | 1.00                             | Depth to saturated zone                             | 11.00 | Restricted permeability  | 11.00                                 |
|                          | <br>                          | Too acid<br> <br> <br>                                    | 0.08                             | Too acid<br> <br> <br>                              | 0.31  |  | 11.00                                 |
| 425D:<br>Keswick         | <br>-  85<br> <br>            | <br> Very limited<br>  Restricted<br>  permeability       | 1.00                             | <br> Very limited<br>  Restricted<br>  permeability | 11.00 | <br> Very limited<br>  Too steep for<br>  surface<br>  application | <br> 1.00<br>                         |
|                          |                               | Depth to<br>  saturated zone                              | 1.00                             | Depth to<br>  saturated zone                        | 1.00  | Restricted<br>  permeability                                       | 11.00                                 |
|                          | i<br>I                        | Slope<br>   | 0.63                             | Slope   | 0.63  |  | 11.00                                 |
|                          | <br>                          | Too acid  | 0.08<br> <br>                    | Too acid  | 0.31  | Too steep for sprinkler application                                | 0.77                                  |
|                          |                               | <br>  | <br>                             | <br>  | <br>  | Too acid<br>   | 0.31                                  |
| 425D2:<br>Keswick        | <br>-  85                     | <br> Very limited   |                                  | <br> Very limited                                   |       | <br> Very limited  |                                       |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit | manure and food-   processing waste  |                                  | Application Of sewage sludg                    | е              | Disposal of<br>  wastewater<br>  by irrigation<br>             |   |
|--------------------------|-------------------------------|--|----------------------------------|--|----------------|--|---|
|                          | <br> <br> <br>                |  |                                  | Rating class and   limiting features           |                | =  |   |
|                          |                               | Restricted permeability  | 11.00                            | Restricted permeability                        | 11.00          | Too steep for   surface   application                          | 11.00                                     |
|                          | İ                             | Depth to saturated zone  | 11.00                            | saturated zone                                 | 11.00          | Restricted<br>  permeability                                   | 11.00                                     |
|                          |                               | Slope  | 10.63                            | Slope  | 10.63          | Depth to<br>  saturated zone                                   | 11.00                                     |
|                          | <br> <br> <br> <br>           | <br>  Too acid<br> <br> <br>   | <br> 0.08<br> <br> <br>          | Too acid<br> <br> <br> <br>                    | 0.31           | Too steep for sprinkler application                            | 0.77                                      |
| 452D2:                   | i                             | İ  | i                                |  | i              | İ  | i   |
| Lineville                | ·  85<br> <br> <br>           | •  |                                  | Very limited<br>  Restricted<br>  permeability | 11.00          | Very limited<br>  Too steep for<br>  surface<br>  application  | 11.00                                     |
|                          |                               | Depth to dense<br>  layer  | 1.00                             | · •  | 1.00           | = =  | 1.00                                      |
|                          | <br>                          | <del>-</del>   | 1.00<br> <br> 0.63               | Slope  | 0.63<br> <br>  | Depth to<br>  saturated zone<br>  Too steep for<br>  sprinkler | 1.00                                      |
|                          |                               |  |                                  |  |                | application  |   |
| 453:                     |                               |  |                                  |  |                |  | İ   |
| Tuskeego                 | 95<br> <br> <br> <br> <br>    | Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br>  Leaching<br>  limitation | 1.00<br> <br> 1.00<br> <br> 0.50 | saturated zone<br>  Too acid<br>               |                | permeability Depth to saturated zone                           | <br> 1.00<br> <br> 1.00<br> <br> 0.07     |
|                          |                               | Too acid<br>   | 0.02<br>                         |  |                | <br>   |   |
| 478G:<br>Nordness        | 50<br>   <br>                 | _  | 11.00                            | Depth to bedrock                               | 11.00          | Depth to bedrock   | <br> 1.00<br> 1.00<br> 1.00<br> <br> <br> |
| Rock Outcrop             | <br> <br> -<br>  40           | <br> <br> Not rated<br>  | <br> <br> <br>                   | <br> <br> <br> Not rated<br>                   | <br> <br> <br> | application<br> <br> Not rated                                 | <br> <br> <br>                            |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit              | manure and food processing was     | _        | Application<br>  of sewage sludg<br> <br>                              |       | Disposal of<br>  wastewater<br>  by irrigation<br>                          | ı   |
|--------------------------|--|------------------------------------|----------|--|-------|---|---|
|                          |  | Rating class and limiting features |          | Rating class and limiting features                                     |       | Rating class and   limiting features  | Value   |
| 484:<br>Lawson           | <br> <br> <br> <br>  95<br> <br> <br>      | saturated zone                     | 1.00<br> |  |       | <br> <br> <br> Very limited<br>  Depth to<br>  saturated zone<br>  Flooding | 1       |
| 499D:<br>Nordness        | <br>  95<br> <br> <br> <br> <br> <br> <br> | Depth to bedrock Droughty          |          | Depth to bedrock   | 11.00 | Depth to bedrock<br>  Too steep for<br>  surface<br>  application           | <br> 1.00<br> 1.00<br> 1.00<br> <br>   0.77   |
| 499F:<br>Nordness        | <br>  95<br> <br> <br> <br> <br> <br> <br> | Depth to bedrock<br>  Droughty     |          | Depth to bedrock   | 11.00 | Depth to bedrock  | <br> 1.00<br> 1.00<br> 1.00<br> 1.00<br> <br> |
| 520:<br>Coppock          | <br>  95<br> <br> <br> <br>                | Depth to saturated zone            | 1.00     | <br> Very limited<br>  Flooding<br> <br>  Depth to<br>  saturated zone | 1.00  | saturated zone  | 1 1.00   10.60                                |
| 570C:<br>Nira            | 90   | <br> Not limited<br> <br> <br>     | <br>     | <br> Not limited<br> <br> <br>   |       | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application      | 0.91  |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit         | manure and food<br>processing was   | -                                  | Application<br>  of sewage sludg<br>           | е                                  | Disposal of<br>  wastewater<br>  by irrigation  | 1                               |
|--------------------------|---------------------------------------|---|------------------------------------|--|------------------------------------|---|---------------------------------|
|                          | <br> <br> <br>                        | <br>  Rating class and<br>  limiting features<br>                                   |                                    | Rating class and<br>  limiting features        |                                    | Rating class and<br>  limiting features   | Value<br> <br>                  |
|                          |                                       | <br>  | <br>                               | <br>   | <br> <br> <br> <br>                | Too steep for sprinkler application   | 0.02                            |
| 570C2:<br>Nira           | <br>  90<br> <br> <br> <br> <br>      | <br> Not limited<br> <br> <br> <br> <br> <br>                                       | <br>                               | <br> Not limited<br> <br> <br> <br> <br> <br>  | <br> <br> <br> <br> <br> <br>      |   | <br> 0.91<br> <br> <br> 0.02    |
| 571B:<br>Hedrick         | <br>  90<br> <br>                     | <br> <br> Not limited<br> <br> <br>   | <br> <br> <br> <br> <br>           | <br> <br> Not limited<br> <br> <br>            | <br> <br> <br> <br>                | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application  | 1   0.08   1                    |
| 571C2:<br>Hedrick        | <br>  90<br> <br> <br> <br> <br>      | <br> Not limited<br> <br> <br> <br> <br> <br> <br>                                  | <br> <br> <br> <br> <br> <br> <br> | <br> Not limited<br> N<br> <br> <br> <br> <br> | <br> <br> <br> <br> <br> <br>      | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application<br>  Too steep for<br>  sprinkler<br>  application                               | <br>  0.91<br> <br>  0.02       |
| 594C2:<br>Galland        | <br>  85<br> <br> <br> <br> <br> <br> | <br> Very limited<br>  Restricted<br>  permeability<br>  Runoff limitation<br> <br> | 11.00                              | permeability                                   | <br>  1.00<br>  1.00<br>  1<br>  1 | <br> Very limited<br>  Restricted<br>  permeability<br>  Too steep for<br>  surface<br>  application<br>  Too steep for<br>  sprinkler<br>  application | <br>  1.00<br>  10.91<br>  0.02 |
| 594D2:<br>Galland        | <br>  85<br> <br> <br> <br>           | permeability  |                                    | <br>   | 1.00<br> <br>                      | <br> <br> Very limited  | 1.00                            |

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Henry County, Iowa

| and soil name      | Pct.<br>  of<br> map<br> unit | manure and food-<br>  processing waste       |               | Application of sewage sludg                             | е                   | Disposal of<br>  wastewater<br>  by irrigation<br>  |                        |
|--------------------|-------------------------------|--|---------------|---|---------------------|---|------------------------|
|                    | <br> <br> <br>                |  |               | Rating class and<br>  limiting features                 |                     |   | Value                  |
|                    | <br> <br> <br> <br>           | Runoff limitation                            | 0.40          | <br>  | <br> <br> <br> <br> | Too steep for sprinkler application   | <br> 0.77<br> <br>     |
| 594E:<br>Galland   | 1 05                          | <br> Vory limited                            | <br>          | <br> Very limited                                       |                     | <br> Very limited   | I                      |
| Gallanu            | 05                            | =  | 1.00          | Restricted<br>  permeability                            |                     | Too steep for<br>  surface<br>  application   | 11.00                  |
|                    | <br> <br> <br>                | Slope<br> <br>                               | 1.00          | Slope<br>   | 1.00                | Too steep for<br>  sprinkler<br>  application   | 11.00                  |
|                    | <br> <br> <br>                | Runoff limitation<br>                        | 0.40          | <br> <br>   | <br> <br> <br>      | Restricted<br>  permeability  | 11.00                  |
| 594E2:<br>Galland  | <br>  85<br> <br>             | . 4  | 1.00          | <br> Very limited<br>  Restricted<br>  permeability     |                     | <br> Very limited<br>  Too steep for<br>  surface<br>  application                        | 11.00                  |
|                    | <br> <br> <br> <br>           | <br>  Slope<br> <br> <br>  Runoff limitation | 1.00          | <br>  | 11.00               | Too steep for<br>  sprinkler<br>  application<br>  Restricted                             | 11.00                  |
|                    | <br>                          | <br>   | <br>          | <br>  |                     | permeability  | 1                      |
| 730B:              |                               |  |               |   | İ                   |   | İ                      |
| Nodaway            | 60<br> <br> <br> <br> <br>    | Flooding                                     |               | . 2   |                     | Very limited<br>  Flooding<br>  Too acid<br>  Too steep for<br>  surface<br>  application | 1.00<br> 0.07<br> 0.01 |
| Cantril            | <br>  30<br> <br>             |  | 0.43          | <br> Somewhat limited<br>  Depth to<br>  saturated zone |                     | <br> Somewhat limited<br>  Depth to<br>  saturated zone                                   | 1   0.43               |
|                    | <br> <br>                     | Too acid<br> <br>                            | 0.02<br> <br> | Too acid<br> <br>                                       | 0.07<br> <br>       | Too steep for<br>  surface<br>  application   | 0.08<br> <br>          |
|                    | <br>                          | <br>   | <br>          |   |                     | Too acid<br>  | 0.07<br>               |
| 731C2:<br>Pershing | <br>  90<br>                  | Restricted                                   | 1.00          | •   | 11.00               | <br> Very limited<br>  Restricted<br>  permeability                                       | <br> <br> 1.00         |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| Map symbol<br>and soil name | Pct.<br>of<br>map<br>unit        | manure and food-<br>processing waste   |                                   | Application of sewage sludge  |                              | Disposal of wastewater by irrigation   |  |
|-----------------------------|----------------------------------|--|-----------------------------------|---|------------------------------|--|--|
|                             | <br> <br>                        | Rating class and limiting features   |                                   | Rating class and   limiting features  |                              | Rating class and   limiting features   | Value                                      |
|                             |                                  | <br>  Depth to<br>  saturated zone   | 0.43                              | Depth to   saturated zone   | 10.43                        | Too steep for   surface   application  | <br> 0.91<br>                              |
|                             |                                  | Too acid<br> <br> <br> <br> <br> <br>  | 0.08<br> <br> <br> <br> <br> <br> | Too acid<br> <br> <br> <br> <br> <br>   | 0.31<br> <br> <br> <br>      | Depth to<br>  saturated zone<br>  Too acid<br>  Too steep for<br>  sprinkler<br>  application  | 0.43<br> <br> 0.31<br> 0.02<br>            |
| 732C2:<br>Weller            | <br>  90<br> <br>                | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to                          | 1.00                              | permeability Depth to   | 1.00                         | permeability Too steep for   | <br> 1.00<br> <br> 0.91                    |
|                             |                                  | saturated zone<br> <br>  Too acid<br> <br> <br> <br>                                       | <br> 0.08<br> <br> <br> <br>      | saturated zone<br> <br>  Too acid<br> <br> <br>                                       | <br> 0.31<br> <br> <br> <br> | surface<br>  application<br>  Depth to<br>  saturated zone<br>  Too acid<br>  Too steep for<br>  sprinkler<br>  application            | <br> 0.43<br> <br> 0.31<br> 0.02           |
| 732D2:<br>Weller            | <br> <br>  90<br>                | <br> <br> Very limited<br>  Restricted<br>  permeability                                   | 1 1.00                            | <br> -<br> Very limited<br>  Restricted<br>  permeability                             | 1 1.00                       | <br> <br> Very limited   | <br> <br> <br> 1.00                        |
|                             | <br>                             | <br>  Slope  | 0.63                              | Slope   | 0.63                         | application<br>  Restricted<br>  permeability  | 11.00                                      |
|                             | <br> <br>                        | <br>  Depth to<br>  saturated zone<br>   | 0.43                              | Depth to<br>  saturated zone  | 0.43                         | Too steep for sprinkler application  | 0.77                                       |
|                             | <br>                             | Too acid<br> <br>  | 0.08                              | Too acid<br> <br>   | 0.31                         |  | 0.43<br> <br> 0.31                         |
| 764B:<br>Grundy             | <br>  95<br> <br> <br> <br> <br> | <br> <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone | <br> <br> 1.00<br> <br> 0.95<br>  | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone | <br> <br> 1.00<br> <br> 0.95 | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone<br>  Too steep for<br>  surface<br>  application | <br> <br> 1.00<br> <br> 0.95<br> <br> 0.08 |

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Henry County, Iowa

| Map symbol<br>and soil name | Pct.<br>  of<br> map<br> unit                          | manure and food-<br>processing waste                           |                                  | Application of sewage sludge         |   | Disposal of wastewater by irrigation  |   |
|-----------------------------|--|--|----------------------------------|--------------------------------------|---|---|---|
|                             | ;<br>  | Rating class and<br>  limiting features                        |                                  | Rating class and   limiting features |   | Rating class and   limiting features  | Value<br> <br>  |
| 779:<br>Kalona              | <br> <br> -  90<br> <br> <br> <br>                     | saturated zone   | 1 1.00                           | saturated zone                       | 1.00  | saturated zone  | 1.00  |
| 792D2:<br>Armstrong         | <br> -  85<br> <br> <br> <br> <br> <br> <br> <br> <br> | Restricted permeability  Depth to saturated zone               |                                  | saturated zone                       | <br>  1.00<br> <br>  1.00<br>  1.00<br>  0.63 | surface<br>  application<br>  Restricted<br>  permeability                                      | <br>  1.00<br> <br>  1.00<br> <br>  1.00<br> <br>  1.77 |
| 795D2:<br>Ashgrove          | <br> -  90<br> <br> <br> <br> <br> <br> <br> <br> <br> | permeability Depth to saturated zone Slope Runoff limitation   | 1.00<br> <br> 1.00<br> <br> 0.63 | saturated zone<br>  Slope<br>        |   | permeability<br>  Depth to<br>  saturated zone<br>  Too steep for<br>  surface<br>  application |   |
| 831C2:<br>Pershing          | <br> - 100<br> <br> <br> <br> <br> <br> <br> <br> <br> | Restricted<br>  permeability<br>  Depth to<br>  saturated zone |                                  | permeability Depth to saturated zone | 1.00<br>                                      |   |   |

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Henry County, Iowa

| and soil name    | Pct.<br>  of<br> map<br> unit         | manure and food-<br>processing waste                                  |   | Application of sewage sludge  |  | Disposal of wastewater by irrigation  |                                       |
|------------------|---------------------------------------|---|---|---|--|---|---------------------------------------|
|                  | <br> <br> <br>                        | Rating class and<br>  limiting features                               |   | Rating class and   limiting features                                  |  | Rating class and   limiting features  | Value<br> <br>                        |
| 832C2:<br>Weller | 100                                   |   | 1.00                                    | permeability Depth to saturated zone                                  | 1.00                                   | Very limited   Restricted   permeability   Too steep for   surface   application   Depth to   saturated zone   Too acid   Too steep for   sprinkler | 10.91                                 |
| 876B:<br>Ladoga  | <br> <br>   95<br> <br> <br> <br>     | <br> <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br> | 1 | <br> <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br> | <br> <br> <br> <br> 0.22<br> <br> <br> | application<br> <br> <br> <br> Somewhat limited   | 10.22                                 |
| 876C2:<br>Ladoga | 100<br> <br> <br> <br> <br> <br> <br> | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>      | 1 1 1 0.30                              | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>      | <br>  1<br>  0.22<br>   <br>   <br>    |   | <br> 0.91<br> <br> 0.22<br> <br> 0.02 |
| 880B:<br>Clinton | <br>   95<br> <br> <br> <br> <br>     | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>      | <br> <br> 0.30<br> <br> <br> <br>       | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>      | <br> <br> 0.22<br> <br> <br> <br>      | <br> Somewhat limited<br>  Restricted<br>  permeability<br>  Too steep for<br>  surface<br>  application  | <br>   <br> 0.22<br> <br> 0.08        |
| 880C:<br>Clinton | 90<br> <br> <br> <br>                 | <br> Somewhat limited<br>  Restricted<br>  permeability<br> <br>      | 1 1 1 0.30                              | <br> Somewhat limited<br>  Restricted<br>  permeability<br>           | <br> <br> 0.22<br> <br> <br>           | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application<br>  Restricted<br>  permeability  | 0.91                                  |

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Henry County, Iowa

|                  | <br> Pct.<br>  of<br> map<br> unit | manure and food-<br>processing waste                         |                              | Application<br>of sewage sludge                    |                              | <br>  Disposal of<br>  wastewater<br>  by irrigation<br>   |                                   |
|------------------|------------------------------------|--|------------------------------|--|------------------------------|--|-----------------------------------|
|                  | <br> <br> <br>                     | <br>  Rating class and<br>  limiting features<br>            |                              | Rating class and<br>  limiting features            |                              |  |                                   |
| 880C2:           | <br> <br> <br> <br> <br>           |  | <br> <br> <br> <br> <br>     |  | <br>                         | Too steep for sprinkler application  | 10.02                             |
| Clinton          | 90<br> <br> <br> <br>              | <br>  Somewhat limited<br>  Restricted<br>  permeability<br> | <br> 0.30<br> <br>           |  | <br> 0.22<br> <br>           | surface<br>  application<br>  Restricted   | 0.91                              |
| 880D2:           | <br> <br> <br> <br>                | <br>   | <br> <br> <br> <br>          | <br>   | <br> <br> <br> <br>          | permeability<br>  Too steep for<br>  sprinkler<br>  application<br>                              | <br> 0.02<br> <br> <br>           |
| Clinton          | 90                                 | Somewhat limited<br>  Slope<br>                              | 0.63                         | Somewhat limited<br>  Slope<br>                    | 10.63                        | surface  | 11.00                             |
|                  | <br> <br> <br> <br>                | <br>  Restricted<br>  permeability<br> <br>                  | <br> 0.30<br> <br> <br>      | <br>  Restricted<br>  permeability<br> <br>        | <br> 0.22<br> <br> <br>      | application<br>  Too steep for<br>  sprinkler<br>  application<br>  Restricted<br>  permeability | <br> 0.77<br> <br> <br> 0.22      |
| 881B:<br>Otley   | <br>  95<br> <br> <br> <br>        | <br> Somewhat limited<br>  Too acid<br> <br> <br>            | <br> <br> 0.02<br> <br>      | <br> Somewhat limited<br>  Too acid<br> <br> <br>  | <br> <br> 0.07<br> <br>      | <br> Somewhat limited<br>  Too steep for<br>  surface<br>  application<br>  Too acid             | 0.08                              |
| 881C2:<br>Otley  | <br> 100<br> 100<br> <br> <br>     | <br> <br> Somewhat limited<br>  Too acid<br> <br> <br>       | <br> <br> <br> 0.02<br> <br> | <br> Somewhat limited<br>  Too acid<br> <br>       | <br> <br> <br> 0.07<br> <br> | surface   surface   application   Too acid   | <br> <br> 0.91<br> <br> <br> 0.07 |
| 0.77             | <br> <br> <br>                     | <br>   | <br> <br> <br>               |  | <br> <br> <br>               | Too steep for<br>  sprinkler<br>  application<br>  | 0.02<br> <br> <br>                |
| 977:<br>Richwood | <br>  95<br> <br> <br>             | <br> Very limited<br>  Filtering<br>  capacity<br>           | <br> <br> 1.00<br> <br>      | <br> Very limited<br>  Filtering<br>  capacity<br> | <br> <br> 1.00<br> <br>      | <br> Very limited<br>  Filtering<br>  capacity<br>   | <br> 1.00<br>                     |

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Henry County, Iowa

| Map symbol and soil name | Pct.<br>  of<br> map<br> unit                  | manure and food-<br>processing waste                   |  | Application of sewage sludge                  |                                   | Disposal of wastewater by irrigation   |   |
|--------------------------|--|--|--|---|-----------------------------------|--|---|
|                          | <br> <br> <br>                                 | =  |  | Rating class and   limiting features          |                                   | Rating class and<br>  limiting features<br>  | Value<br> <br>                                      |
| 977B:<br>Richwood        |  | •  | <br> <br> <br> 1.00<br> <br> <br> <br> | <br>  | <br> <br> <br> 1.00<br> <br> <br> | <br> <br> Very limited<br>  Filtering<br>  capacity<br>  Too steep for<br>  surface<br>  application | <br> <br> 1.00<br> <br> 0.08                        |
| 993D2:<br>Gara           | <br>  60<br>                                   | <br> Somewhat limited<br>  Slope<br>                   | <br> <br> 0.63<br>                     | <br> Somewhat limited<br>  Slope<br>          | <br> <br> 0.63<br>                | surface  | <br> <br> 1.00                                      |
|                          | <br>   | Restricted permeability                                | <br> 0.30<br> <br> <br>                | Restricted permeability                       | 0.22                              | application<br>  Too steep for<br>  sprinkler<br>  application<br>  Restricted<br>  permeability     | <br> 0.77<br> <br> <br> 0.22                        |
| Armstrong                | 30<br> <br> <br> <br> <br> <br> <br> <br> <br> | permeability     Depth to   saturated zone             |  | saturated zone                                | 11.00                             | surface<br>  application<br>  Restricted<br>  permeability   | <br> 1.00<br> <br> 1.00<br> <br> 1.00<br> <br> 0.77 |
| 1057:<br>Rushville       | <br>  95<br> <br> <br> <br> <br> <br>          | permeability Depth to saturated zone Runoff limitation | 1.00<br> <br> 1.00                     | permeability Depth to saturated zone Too acid |                                   | saturated zone   | <br> 1.00<br> <br> 1.00<br> <br> 0.31               |
| 1122:<br>Sperry          | <br> 100<br> <br> <br>                         | permeability Depth to                                  | 1.00                                   |   | 1.00<br> <br> 1.00                | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability                | <br> 1.00<br> <br> 1.00                             |

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Henry County, Iowa

| Map symbol and soil name | <br> Pct.<br>  of<br> map<br> unit           | manure and food-   processing waste                            |   | Application  <br>  of sewage sludge  <br>   |                                       | Disposal of<br>  wastewater<br>  by irrigation |  |
|--------------------------|--|--|---|---|---------------------------------------|--|--|
|                          |  | Rating class and<br>  limiting features                        |   | Rating class and   limiting features  |                                       | Rating class and   limiting features           | Value  |
|                          | <br> <br> <br>                               | Leaching I limitation  | <br> 0.50<br>                               | <br>  | <br>                                  | <br>   | <br> <br> <br>                                 |
| 1130:<br>Belinda         | <br> - 100<br> <br> <br> <br>                | Restricted permeability  | 1.00<br> <br> 1.00                          | <br> Very limited<br>  Restricted<br>  permeability<br>  Depth to<br>  saturated zone | <br> 1.00<br> <br> 1.00<br>           | permeability                                   | <br> 1.00<br> <br> 1.00                        |
| 1131B: Pershing          | <br> - 100<br> <br> <br> <br> <br> <br> <br> | Restricted<br>  permeability<br>  Depth to<br>  saturated zone | <br> 1.00<br> 1.00<br> 0.43<br> <br> 0.08   | permeability Depth to saturated zone  | <br> 1.00<br> <br> 0.43<br> <br> 0.31 | permeability Depth to saturated zone           | <br> 1.00<br> <br> 0.43<br> <br> 0.31<br> 0.08 |
| 1132B:<br>Weller         | <br> - 100<br> <br> <br> <br> <br> <br>      | permeability Depth to saturated zone                           | <br> 1.00<br> <br> 0.43<br> <br> 0.08       | permeability Depth to saturated zone  |                                       | saturated zone                                 | <br> 1.00<br> <br> 0.43<br> <br> 0.31<br> 0.08 |
| 1133:<br>Colo            | <br> -  95<br> <br> <br> <br>                | saturated zone<br>  Flooding                                   | <br> <br> <br> 1.00<br> <br> 1.00<br> 0.70  | saturated zone  | <br> <br> 1.00<br> <br> 1.00          | saturated zone                                 | <br> <br> 1.00<br> <br> 1.00                   |
| 1180B:<br>Keomah         | <br> -  95<br> <br> <br> <br>                | permeability Depth to saturated zone                           | <br>   <br>    0.89<br>    0.43<br>    0.08 | permeability Depth to saturated zone  | <br>  0.78<br>  0.43<br>  0.31        | permeability Depth to saturated zone           | <br> 0.78<br> <br> 0.43<br> <br> 0.31          |

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Henry County, Iowa

| and soil name     | <br> Pct.<br>  of<br> map<br> unit    | manure and food-   processing waste                                   |                                       | Application<br>  of sewage sludge<br>                                     |                                  | Disposal of<br>  wastewater<br>  by irrigation      |   |
|-------------------|---------------------------------------|---|---------------------------------------|---|----------------------------------|---|---|
|                   | <br> <br> <br>                        | Rating class and<br>  limiting features                               |                                       | Rating class and<br>  limiting features                                   |                                  | Rating class and<br>  limiting features             | Value<br> <br>                          |
|                   | <br> <br> <br> <br>                   | <br>  | <br> <br> <br> <br> <br>              | <br>  | <br> <br> <br> <br> <br>         | Too steep for<br>  surface<br>  application         | 0.08                                    |
| 1279:<br>Taintor  | <br>  95<br> <br> <br> <br> <br> <br> | Depth to Saturated zone Leaching Inimitation                          | <br> 1.00<br> <br> 0.50<br> <br> 0.30 | saturated zone  | <br> 1.00<br> <br> 0.22<br> <br> | saturated zone                                      | <br> 1.00<br> <br> 0.22<br> <br>        |
| 1280:<br>Mahaska  | <br>  90<br> <br> <br>                | <br> Somewhat limited<br>  Depth to<br>  saturated zone<br>  Too acid | 0.43                                  | saturated zone  | 0.43                             | saturated zone                                      | 0.43                                    |
| 1280B:<br>Mahaska | <br>  90<br> <br> <br> <br> <br> <br> | Depth to saturated zone   |                                       | <br> Somewhat limited<br>  Depth to<br>  saturated zone<br>  Too acid<br> | 0.43                             |   | 1 |
| 1315:<br>Klum     | <br>  40<br>                          | <br> <br> Very limited<br>  Flooding                                  |                                       | <br> <br> Very limited<br>  Flooding                                      |                                  | <br> <br> Very limited<br>  Flooding                | 1 1.00                                  |
| Perks             | <br>  30<br> <br> <br> <br> <br>      | Flooding<br>  Droughty<br>  Filtering<br>  capacity                   | 1.00<br> 1.00                         | Filtering<br>  capacity   | 1.00<br> 1.00                    | Flooding  | <br> 1.00<br> 1.00<br> 1.00             |
| Nodaway           | <br>  20<br>                          |   |                                       | <br> Very limited<br>  Flooding<br>                                       | 1 1.00                           | <br> Very limited<br>  Flooding<br>                 | 1 1.00                                  |
| 1362:<br>Haig     | <br> 100<br>                          | •   |                                       | <br> Very limited<br>  Depth to<br>  saturated zone                       | 11.00                            | <br> Very limited<br>  Depth to<br>  saturated zone | 11.00                                   |

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Henry County, Iowa

| Map symbol<br>and soil name | <br> Pct.<br>  of<br> map<br> unit | manure and food-   processing waste               |                               | Application  <br>  of sewage sludge  <br>   |           | <br>  Disposal of<br>  wastewater<br>  by irrigation                                  |            |
|-----------------------------|------------------------------------|---|-------------------------------|---|-----------|---|------------|
|                             | <br> <br> <br>                     |   |                               | Rating class and<br>  limiting features   |           | Rating class and<br>  limiting features   |            |
|                             | <br> <br> <br> <br> <br>           | Depth to   saturated zone   Leaching   limitation |                               | 1 [   | 11.00     | Restricted<br>  permeability<br>  | 11.00      |
| 1779:<br>Kalona             | <br> -  90<br> <br> <br>           | Depth to saturated zone                           | 1.00<br>                      | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability |           | <br> Very limited<br>  Depth to<br>  saturated zone<br>  Restricted<br>  permeability | 11.00      |
| 5010:<br>Pits               | <br> - 100<br> <br>                | <br> Not rated<br> <br> <br>                      | <br> <br> <br> <br>           | <br> Not rated<br> <br> <br>  |           | <br> Not rated<br> <br> <br>  |            |
| 5030:<br>Pits               | <br> <br> - 100<br> <br>           | <br> <br> Not rated<br> <br> <br>                 | <br> <br> <br> <br> <br> <br> | <br> <br> Not rated<br> <br> <br>   |           | <br> <br> Not rated<br> <br> <br>   |            |
| 5040:<br>Orthents           | <br> -<br> 100<br> <br>            | <br> <br> Not rated<br> <br> <br>                 | <br> <br> <br> <br> <br>      | <br> <br> Not rated<br> <br> <br>   | <br>      | <br> <br> Not rated<br> <br> <br>   |            |
| W:<br>Water                 | <br> <br> - 100<br> <br>           | <br> -<br> Not rated<br> -<br> -                  | <br> <br> <br> <br> <br> <br> | <br> <br> Not rated<br> <br> <br>   |           | <br> <br> Not rated<br> <br> <br>   |            |
|                             | <br> <br>_                         | <br>  | <br> <br>                     | <br>  | <br> <br> | <br>  | <br> <br>_ |